**S1. Search terms**

**PubMed**

("msm"[All Fields] OR "gay"[All Fields] OR "homosexual"[All Fields] OR "bisexual"[All Fields])

AND (("chlamydia"[MeSH Terms] OR "chlamydia"[All Fields] OR "chlamydial infection"[All Fields]

OR "Chlamydia Trachomatis"[All fields])

OR ("gonorrhoea"[All Fields] OR "gonorrhea"[MeSH Terms] OR "gonorrhea"[All Fields]

OR "Neisseria gonorrhoeae"[All Fields]))

AND ("screening"[All Fields] OR "screen"[All Fields]

OR "mass screening"[MeSH Terms]

OR ("mass"[All Fields] AND "screening"[All Fields])

OR "mass screening"[All Fields])

AND ("incidence"[All Fields] OR "incidence"[MeSH Terms]

OR "prevalence"[All Fields] OR "prevalence"[MeSH Terms])

**Web of science**

("msm" OR "gay" OR "homosexual" OR "bisexual")

AND (("chlamydia" OR "chlamydial infection" OR "Chlamydia Trachomatis")

OR ("gonorrhoea" OR "gonorrhea" OR "Neisseria gonorrhoeae"))

AND ("screening" OR "screen" OR "mass screening"

AND ("incidence" OR "prevalence" OR “cases”)